

# Uoc Nguyen Thi

AI Engineer

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<https://github.com/UocNTh>

Long Bien, Ha Noi

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## CAREER OBJECTIVE

Seeking opportunities to learn and work in a dynamic, challenging, and open environment to enhance skills and gain valuable professional experience.

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## EDUCATION

**Posts and Telecommunications Institute of Technology**

*2020 - Present*

Final-year student - Information Technology

Major: Information Systems - GPA: 3.05

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## SKILLS

Language	Python, C/C++, Java, HTML, JavaScript, CSS
Database	Basic knowledge of MySQL and MongoDB
Operating System	Linux, Windows
Message Queue và Caching	Basic knowledge of RabbitMQ
Network	+ OSI model, TCP/IP + Main protocols: HTTP, DNS, FTP, SSH, DHCP, SMTP + NAT mechanisms and types of NAT
Web	+ Using the Flask framework to build web applications + Using Streamlit to build the web interface, combined with FastAPI to initialize the API
AI	+ Experience in using Python along with libraries such as NumPy, Pandas, Scikit-Learn, Matplotlib, and OpenCV + Basic knowledge of Machine Learning, Deep Learning, and Natural Language Processing (NLP) + Knowledge of various models: CNN, RNN, LSTM, Transformer, RAG + Using the Pytorch framework + Knowledge of mathematics related to Linear Algebra, Probability and Statistics, Calculus, and Signal Processing + Knowledge of Image Processing
Tools	Github

PROJECTS

2024

CV Search

Design and develop a Retrieval-Augmented Generation (RAG) system to perform information retrieval based on user queries.  
Use Elasticsearch as the storage and retrieval tool to optimize the accuracy and speed of information search, ensuring a responsive experience for user queries.

2023

Image-Processing

Use image processing algorithms to enhance image quality, detect edges, and perform morphological processing.  
Github: <https://github.com/UocNTh/Image-Processing>

2023

Image-Classification-with-MNIST-and-CIFAR-10

Image recognition using CNN algorithms: Recognizing handwritten digit images from the MNIST dataset and identifying various animal images from the CIFAR-10 dataset.  
Github: <https://github.com/UocNTh/Image-Recognition>

2022

Participated in the ICPC competition

ICPC - PTIT, organized by Posts and Telecommunications Institute of Technology

More: <https://github.com/UocNTh>

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EXPERIENCES

FPT Software

5/2024 - 11/2024

AI Engineer Intern - FSOF AI Center  
Participated in the company's project.  
Prepared datasets for the model and evaluated the data

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CERTIFICATES

ARTIFICIAL INTELLIGENCE WITH PYTHON coorganized by Posts and Telecommunications Institute of Technology and Samsung Electronics Vietnam

2023

APPLICATIONS OF ALGORITHM co-organized by Posts and Telecommunications Institute of Technology and Samsung Electronics Vietnam Company

2022

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AWARDS

Excellence Scholarship

2021